

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-22 13:37:16

Date of Next Testing: 2028-11-21 13:37:16

Product Name: **L(-)-Carnitine**

CAS Number: 541-15-1

Specifications & Purity: Moligand™, ≥98%

Lot #: K2420646

SKU #: **C105423**

Version: **2**

Analysis #: **434297**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	98.02 %
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-33--30 (°)	-30.74 °
Loss on drying	0-1 (%)	0.00 %
Appearance (C105423)	White powder to crystal	White powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager